

**RECEIVED  
CENTRAL FAX CENTER**

**FEB 20 2007**

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200308743-1

Inventor(s): **Nickel**

Confirmation No.: 9147

Application No.: 10/733,089

Examiner: Dickey, Thomas

Filing Date: December 11, 2003

Group Art Unit: 2826

Title: **USING SENSE LINES TO THERMALLY CONTROL THE STATE OF AN MRAM**

**Mail Stop Amendment  
Commissioner For Patents  
PO Box 1450  
Alexandria, VA 22313-1450**

**TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT**

Transmitted herewith is/are the following in the above-identified application:

- ☒ Response/Amendment  
☐ New fee as calculated below  
☒ No additional fee  
☐ Other

- ☐ Petition to extend time to respond  
☐ Supplemental Declaration

Fees

| CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY                            |   |   |  |  |             |                           |
|---|---|---|--|--|-------------|---------------------------|
| (1)<br>FOR  | (2)<br>CLAIMS REMAINING<br>AFTER AMENDMENT  | (3)<br>NUMBER<br>EXTRA                      | (4)<br>HIGHEST NUMBER<br>PREVIOUSLY PAID FOR | (5)<br>PRESENT<br>EXTRA                      | (6)<br>RATE | (7)<br>ADDITIONAL<br>FEES |
| TOTAL<br>CLAIMS   | 11  | MINUS                                       | 29   | = 0  | X \$50      | \$ 0                      |
| INDEP.<br>CLAIMS  | 1   | MINUS                                       | 3  | = 0  | X \$200     | \$ 0                      |
| <input type="checkbox"/> FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM |   |   |  |  | + \$360     | \$ 0                      |
| EXTENSION<br>FEE  | <input type="checkbox"/> 1st Month<br>\$120 | <input type="checkbox"/> 2nd Month<br>\$450 | <input type="checkbox"/> 3rd Month<br>\$1020 | <input type="checkbox"/> 4th Month<br>\$1590 |             | \$ 0                      |
| OTHER FEES  |   |   |  |  |             | \$                        |
| TOTAL ADDITIONAL FEE FOR THIS AMENDMENT                                   |   |   |  |  |             | \$ 0                      |

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

I hereby certify that this paper is being  
transmitted to the Patent and Trademark Office  
facsimile number (571) 273-8300.

Date of facsimile: February 20, 2007

Typed Name: Wendell J. Jones

Signature: 

Respectfully submitted,

Nickel

By 

Wendell J. Jones  
Attorney/Agent for Applicant(s)

Reg No. : 45,961

Date : February 20, 2007

Telephone : (408) 938-0980

Rev 10/05 (TransAmdFax)

RECEIVED  
CENTRAL FAX CENTER

COPY

FEB 20 2007

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200308743-1

Inventor(s): Nickel

Confirmation No.: 9147

Application No.: 10/733,089

Examiner: Dickey, Thomas

Filing Date: December 11, 2003

Group Art Unit: 2826

Title: USING SENSE LINES TO THERMALLY CONTROL THE STATE OF AN MRAM

Mail Stop Amendment  
Commissioner For Patents  
PO Box 1450  
Alexandria, VA 22313-1450

## TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Transmitted herewith is/are the following in the above-identified application:

- ☒ Response/Amendment  
☐ New fee as calculated below  
☒ No additional fee  
☐ Other

- ☐ Petition to extend time to respond  
☐ Supplemental Declaration

Fee\$

| (1)<br>FOR  | (2)<br>CLAIMS REMAINING<br>AFTER AMENDMENT  | (3)<br>NUMBER<br>EXTRA                      | (4)<br>HIGHEST NUMBER<br>PREVIOUSLY PAID FOR | (5)<br>PRESENT<br>EXTRA                      | (6)<br>RATE | (7)<br>ADDITIONAL<br>FEES |
|---|---|---|--|--|-------------|---------------------------|
| TOTAL<br>CLAIMS   | 11  | MINUS                                       | 29   | = 0  | X \$50      | \$ 0                      |
| INDEP.<br>CLAIMS  | 1   | MINUS                                       | 3  | = 0  | X \$200     | \$ 0                      |
| <input type="checkbox"/> FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM |   |   |  |  |             | + \$360 \$ 0              |
| EXTENSION<br>FEE  | <input type="checkbox"/> 1st Month<br>\$120 | <input type="checkbox"/> 2nd Month<br>\$450 | <input type="checkbox"/> 3rd Month<br>\$1020 | <input type="checkbox"/> 4th Month<br>\$1590 |             | \$ 0                      |
| OTHER FEES  |   |   |  |  |             | \$                        |
| TOTAL ADDITIONAL FEE FOR THIS AMENDMENT                                   |   |   |  |  |             | \$ 0                      |

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

I hereby certify that this paper is being  
transmitted to the Patent and Trademark Office  
facsimile number (571) 273-8300.

Date of facsimile: February 20, 2007

Typed Name: Wendell J. Jones

Signature: 

Respectfully submitted,

Nickel

By 

Wendell J. Jones

Attorney/Agent for Applicant(s)

Reg No.: 45,961

Date: February 20, 2007

Telephone: (408) 938-0980

Rev 10/05 (TransAmndFax)

Application No. 10/733,089  
Responsive to the Office Action of November 17, 2006

**RECEIVED**  
**CENTRAL FAX CENTER**  
**FEB 20 2007**

page 1

---

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

---

In re application of: Nickel et al.

Attorney Docket No.:  
**200308743-1**

Application No.: **10/733,089**

Filed: **December 11, 2003**

Examiner: Dickey,  
Thomas I.

Title: **USING SENSE LINES TO THERMALLY CONTROL  
THE STATE OF AN MRAM (AS AMENDED)**

Art Unit: 2826

Confirmation No.: 9147

---

**Amendment and Response To Office Action**

**Mail Stop Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed **November 17, 2006**, please consider the following:

**Amendments to the Specification** begin on **Page 2** of this response.

**Amendments to the Drawings** begin on **Page 3** of this response

**Remarks** begin on **Page 4** of this response.